

NWS CHANGE FORM PART A			1. DATE SUBMITTED <div style="display: flex; justify-content: space-between;">2/02/0006JAN00</div>	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE NWS W/APO		3. SUBMITTING AUTHORITY Name: Paul Nipko Routing Code: W/APO		4. COGNIZANT TECHNICAL INDIVIDUAL Name: Chuck Piercy Routing Code: W/APO/SE Phone: (301) 713-1570 x 124
5. ORIGINATOR TRACKING NUMBER RC_APO24				
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____				7. WSH TRACKING NUMBER NWS 546 2/2/00
8. TITLE OF CHANGE AWIPS Network Control Facility (NCF) Improvements				
9. TYPE OF CHANGE <input checked="" type="checkbox"/> HARDWARE <input type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY			10. SITES AFFECTED (Attach Part B, Page 2, if needed) NCF	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) Several changes are planned for the NCF to improve overall Network management operations. These changes form the first segment of three segments of planned improvements.				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) Reconfigure the current Network Control Facility baseline architecture by: (1) Upgrading the WNCf segment by adding an additional K200/2 Data Server with three - 4.3GB, FWD, LP Hot-pluggable Disk Drives. This upgrade will allow full emulation of the typical WFO configuration, thus, allowing normal WFO software Build loading for troubleshooting. (2) Adding failover capability for the backup dial modem by adding cables from the modem to the VIR switch to the Modem Distribution Panels. (3) Adding 4 additional 9GB, HH, Non-hot-pluggable disk drives to increase storage and mass storage capabilities on AS1 and AS2. (4) Adding an external, portable DATdrive to AS1 and AS2 for external backup capabilities. (5) Changing out the Mass Storage configuration for AS 3 and AS 4 to improve maintainability and to make room in the rack for the installation of the Enterprise Management DAT Autochanger. This is accomplished by removing the 2 current MS chassis's and associated drives and replacing them with one new chassis and six 4.3 GB, FDW, LP, hot-pluggable drives and adding a shelf for the Autochanger. (6) Increasing the length of the SCSI-2 cable for Data Server DAT Autochanger to allow the device to be placed inside the rack 12.				
13. ALTERNATE SOLUTIONS N/A				
14. REQUIRED CHANGE DATE 28Feb00		15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) This change will be accomplished in segments as time is made available on the NCF system over the period of 45 days. Currently, the upgrade and changeout of the AS5/6 Mass Storage is scheduled to occur on 10Jan00.		
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL		<input type="checkbox"/> CCB LEVEL ONLY <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION <input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED		SIGNATURE		
		DATE SIGNED		
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		SIGNATURE		
		DATE SIGNED		

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER RC_APO24	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$16.5K
5. DEVELOPMENT COSTS (Estimate development costs)			AMOUNT -O-
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs)			AMOUNT -O-
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) Installation and Checkout cost of GFE hardware. Rework of Systems Drwgs and BOM/Parts Lists		Contract Mod	AMOUNT \$14.0K
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs)			AMOUNT -O-
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs)			AMOUNT \$0.5K
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) Increased Maintenance Costs			AMOUNT \$2.0K
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) NA		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) NA	
12. IMPLEMENTATION/RETROFIT SCHEDULE NA		13. FACILITY INFORMATION (Attach facility drawings/plans.)	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) NA		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED None	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each) NA		17. COORDINATION OF CHANGE WITH OTHER CHANGES Documentation delivery to be coordinated with Bld-5 RC. (See 18 below)	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) See attach B page 2 - Documents to be delivered as "red-line markups" with formal RC. Final copies to be delivered as part of Build-5 formal RC.		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.) None	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.) TBD		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.) Portions of the NCF will be down for installation of upgrades. The Upgrades are to be accomplished in segments. The exact sequence of segmented installations is TBD.	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) TBD			

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT						1. ORIGINATOR TRACKING NUMBER RC_APO24			
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)						2. WSH TRACKING NUMBER NWS 546			
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT	
		A. PART NUMBER OR CONFIGURATION	B. SERIAL NUMBER(S) OR COMMENTS			A. IDENTIFIER	B. REV	A. IDENTIFIER	B. REV
NCF Rack 7 -DS-WFO	Modify	BNWSRKNCF.207	NA	BNMWRKNCF.207 Rev 1	Parts List	NA		AWP-000000- 109-0101-2	Rel
					Bill of Material	NWSNCF	-	NWSNCF	1
					NCF Doc	AWP.FDC. NMC-02.00	-	AWP.FDC. NMC-03.00	-
					Assmbly Drwng	AWP-000000- 101-500	A1	AWP-000000- 101-500	A2
					Drwng	AWP-000000- 106-500	A1	AWP-000000- 106-500	A2
					Drwng	AWP-000000- 302-510	A1	AWP-000000- 302-510	A2
					Drwng	AWP-000000- 302-530	A1	AWP-000000- 302-530	A2
					Drwng	AWP-000000- 302-580	A1	AWP-000000- 302-580	A2
					Drwng	AWP-000000- 302-520	A1	AWP-000000- 302-520	A2
					Cbl Lst	AWP-000000- 304-510	A1	AWP-000000- 304-510	A2
					Cbl Lst	AWP-000000- 304-520	A1	AWP-000000- 304-520	A2
					Cbl Lst	AWP-000000- 304-530	A1	AWP-000000- 304-530	A2
					Cbl Lst	AWP-000000- 304-580	A1	AWP-000000- 304-580	A2
					Drwng	AWP-000000- 302-540	A1	AWP-000000- 302-540	A2
					Parts List	AWP-000000- 109-0104-1	-	AWP-000000- 109-0111-7	-
					Parts List	AWP-000000- 109-0104-1	-	AWP-000000- 109-0104-1	A1
					Cbl Lst	AWP-000000- 304-540	A1	AWP-000000- 304-540	A2

<div>NWS CHANGE FORM</div> <div>PART C</div>		<div>1. ORIGINATOR TRACKING NUMBER</div> <div>RC_APO24</div>	
<div>WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.</div>		<div>2. WSH TRACKING NUMBER</div>	
<div>3. CCB COST EVALUATION</div> <div>NWS COST \$FAA COST \$DOD COST \$OTHER AGENCY COST \$TOTAL COST \$16.5K</div> <div>(SPECIFY)_____</div>			
<div>4. IMPLEMENTATION DOCUMENTS REQUIRED</div> <div><input checked="" type="checkbox"/> Engineering Modification Note<input type="checkbox"/> Software Release Notes<input type="checkbox"/> Other Document (Specify)_____</div>			
<div>ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.</div>			
<div>5. IMPLEMENTATION ACTIVITY REQUIRED</div>	<div>6. REQUIRED COMPLETION DATE</div>	<div>7. RESPONSIBLE PERSON AND OFFICE</div>	<div>8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION</div>
<div>NA</div>			

